

IN THE SPECIFICATION:

Heading at line 11 of page 6 has been amended as follows:

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT
EMBODIMENTS**

Paragraph at line 14 of page 6 has been amended as follows:

An x-ray tube and a high-voltage power supply for supplying a high-voltage to the X-ray tube are connected via a high-voltage cable. Making a high-voltage cable detachable by providing one or more high-voltage connectors is common in order to make transportation and handling straightforward. This kind of high-voltage connector comprises, for example, a core 21 constituting a wire to which a high-voltage is applied, an insulator 22 covering the core 21 in such a manner that high-voltages are not discharged to outside of the cable, shielding wiring 23 on the outside of the insulator 22, and a first connecting member in the form of metal fixing screw 24 electrically connected to the shielding wire 23.

Paragraph beginning at line 18 of page 7 has been amended as follows:

In the present invention, a sheath 1 is provided in order to protect the plug 25 of the high-voltage connector so

as to bring about the aforementioned short-circuiting function, i.e. a metal pipe-shaped sheath 1 is provided so as to cover the plug 25 of the high-voltage conenctor and a second connecting member in the form of threading 2 corresponding to the fixing screw 24 of the high-voltage conenctor is provided at one end of the sheath 1. This means that fixing or removal connection of the sheath 1 to the high-voltage connector is straightforward.

Paragraph beginning at line 12 of page 9 has been amended as follows:

Further, it is by no means necessary for the sheath material to be metal and, in another embodiment as shown in FIG. 4, a portion of the thread 2 and the conductor 3 may consist of metal or a material consisting of conductive coating so that ~~is~~ if the screw 2 and the conductor 3 are made to conduct by the lead 41, the material of the portion shown by the slanted lines becomes irrelevant. Metal plate or wiring can be used as the lead 41 so that the screw 2 and conductor 3 make electrical contact.